Supplementary Material 3

Figure 1: Convergence diagram of PFS
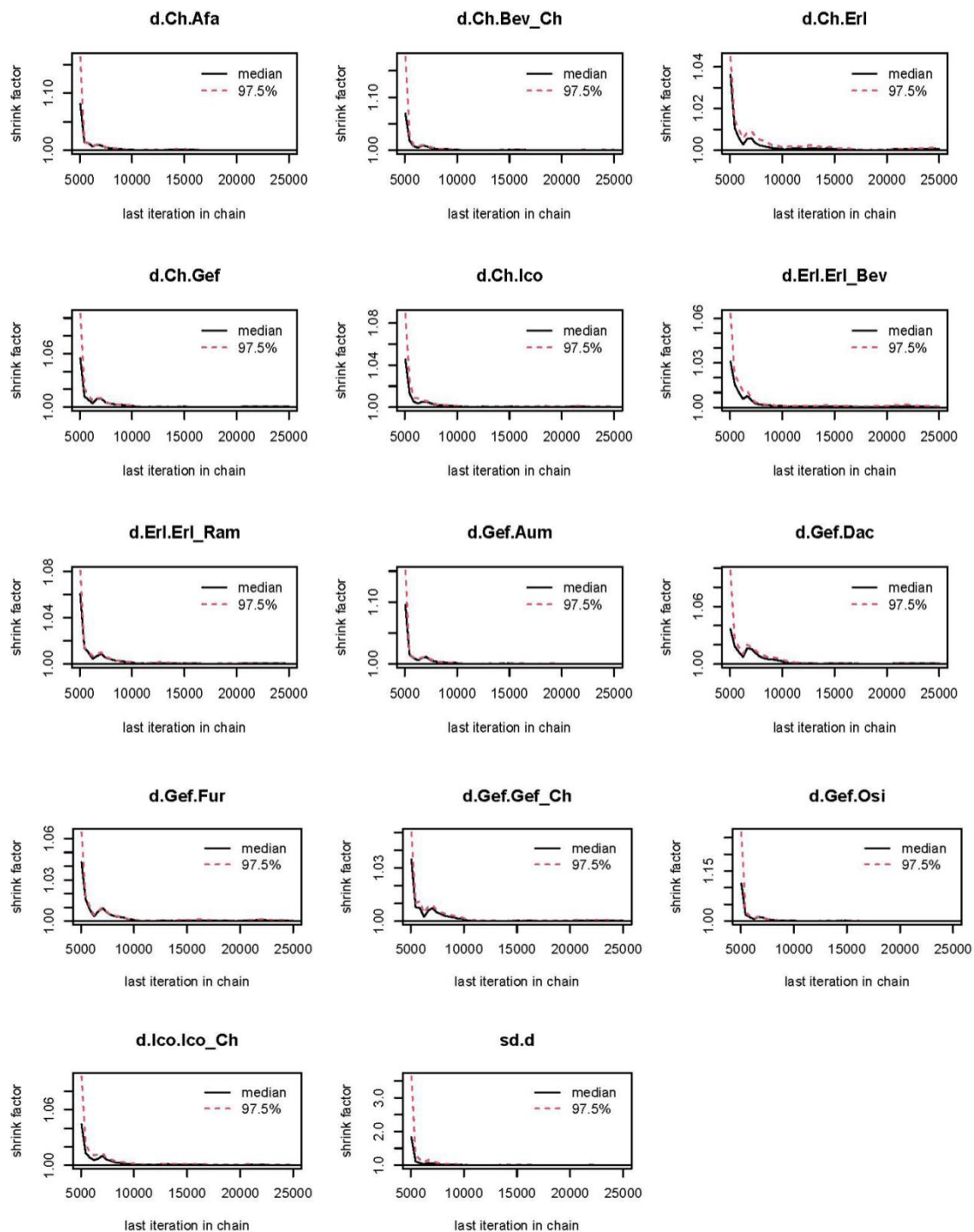
Figure 2: Convergence diagram of OS

d.Ch.Afa

d.Ch.Bev_Ch

d.Ch.Erl

d.Ch.Gef

d.Ch.Ico

d.Erl.Erl_Bev

d.Gef.Dac

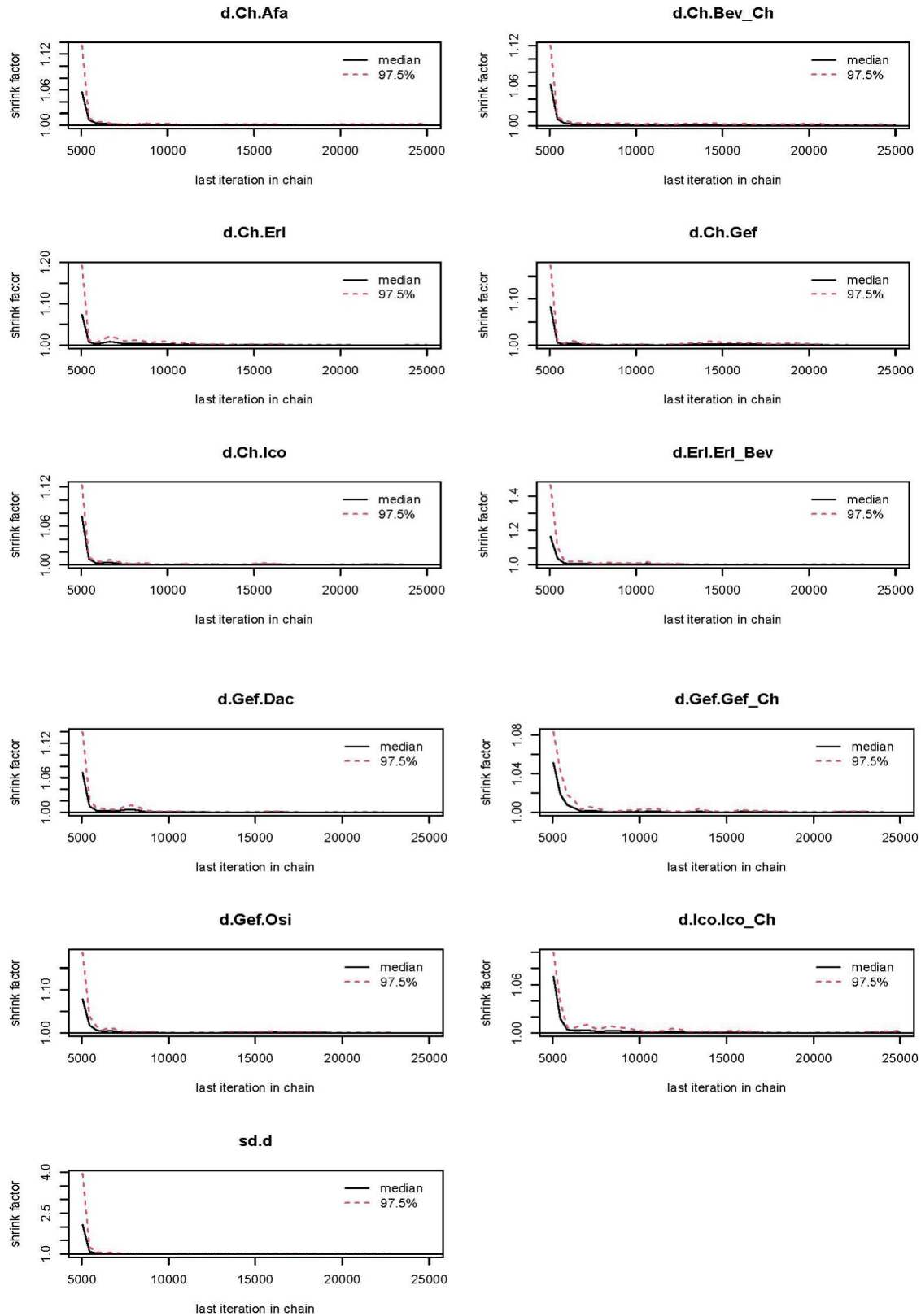**d.Gef.Gef_Ch**

d.Gef.Osi

d.Ico.Ico_Ch

sd.d

Figure 3:Funnel diagram of comparison outcomes in patients with advanced EGFR mutated NSCLC. (A) Funnel diagram for PFS. (B)Funnel diagram for OS. (C)Funnel diagram DCR. (D)Funnel diagram for ORR.(E)Funnel diagram for AE. (F)Funnel diagram for ≥3AE. (G)Funnel diagram plot for SAE.
(remarks Erl plus Bev: Erl+Bev/Erl_Bev, Erl plus Ram: Erl+Ram/Erl_Ram, Gef plus Ch: Gef+Ch/Gef_Ch, Erl plus Ch: Erl+Ch/Erl_Ch, Ico plus Ch: Ico+Ch/Ico_Ch)
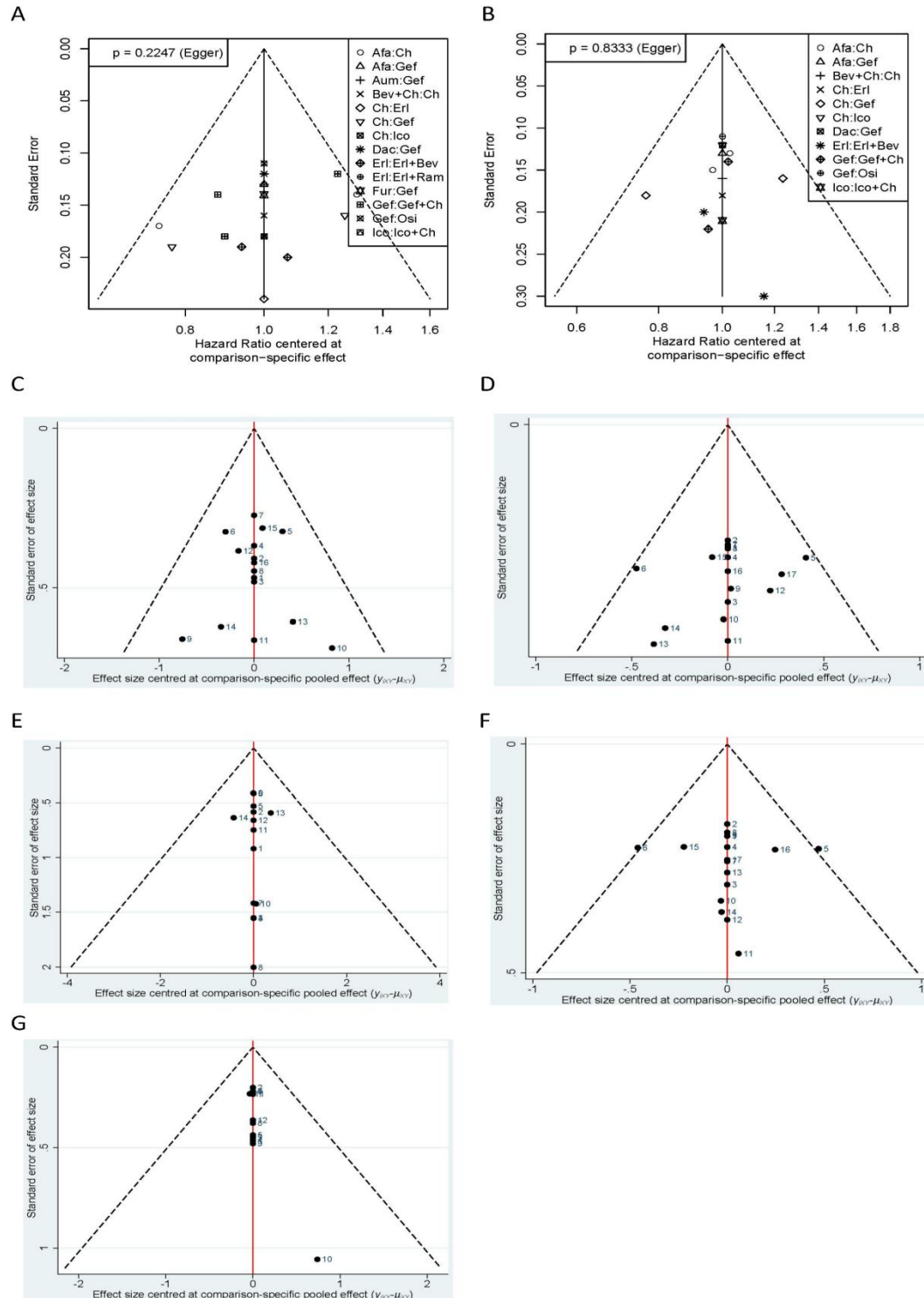
Figure 4: Contribution rates were combined for direct and indirect comparisons
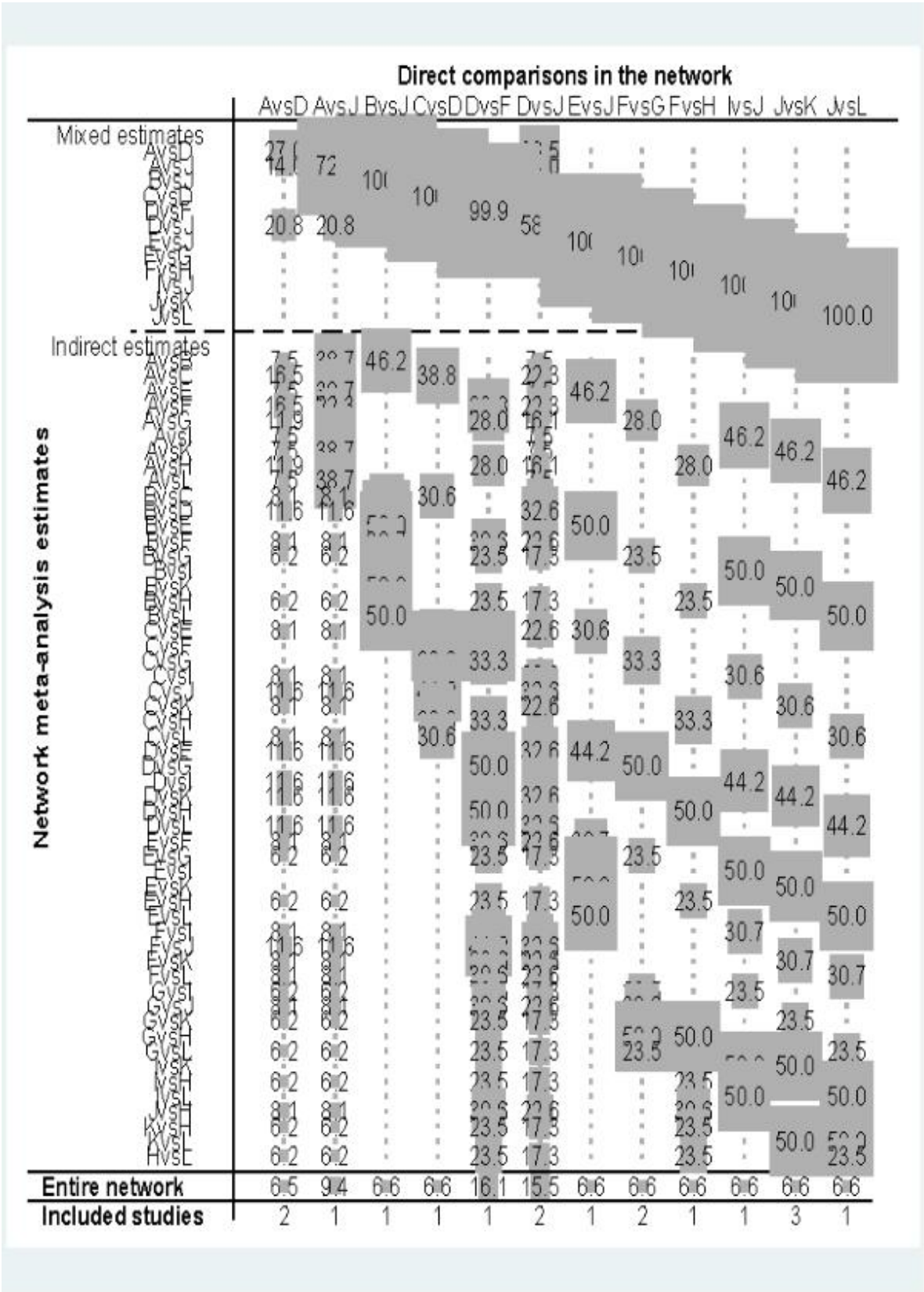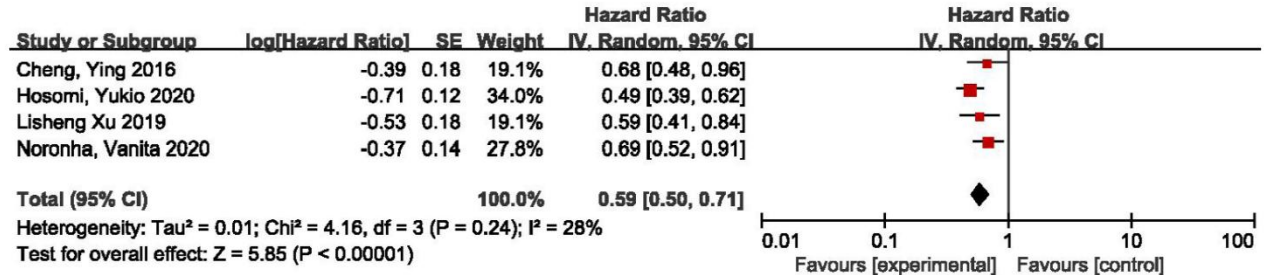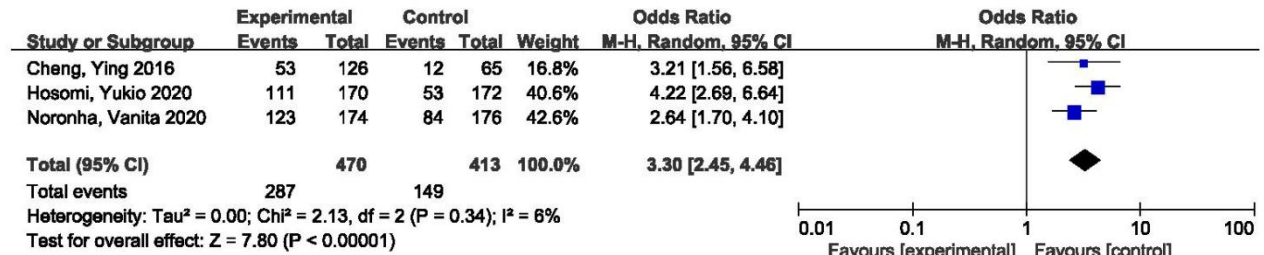
Figure 5:Subgroup analysis

(A) Meta-analysis of PFS of TKI with/without chemotherapy, (B)Meta-analysis of ≥3AE of TKI with/without chemotherapy, (C)Meta-analysis of PFS of TKI combined with/without antiangiogenic agents, (D)Meta-analysis of ≥3AE of TKI combined with/without antiangiogenic agents
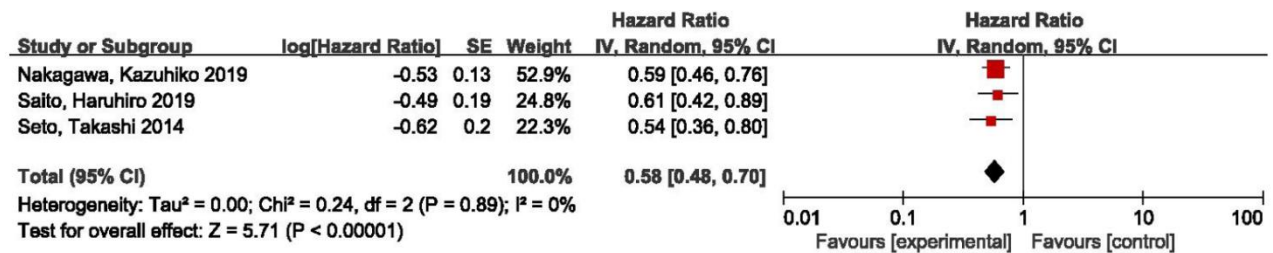
A

Study or Subgroup	log[Hazard Ratio]	SE	Weight	Hazard Ratio IV. Random. 95% CI
Cheng, Ying 2016	-0.39	0.18	19.1%	0.68 [0.48, 0.96]
Hosomi, Yukio 2020	-0.71	0.12	34.0%	0.49 [0.39, 0.62]
Lisheng Xu 2019	-0.53	0.18	19.1%	0.59 [0.41, 0.84]
Noronha, Vanita 2020	-0.37	0.14	27.8%	0.69 [0.52, 0.91]
Total (95% CI)			**100.0%**	**0.59 [0.50, 0.71]**

Heterogeneity: Tau² = 0.01; Chi² = 4.16, df = 3 (P = 0.24); I² = 28%
Test for overall effect: Z = 5.85 (P < 0.00001)

B

Study or Subgroup	Experimental Events	Total	Control Events	Total	Weight	Odds Ratio M-H, Random, 95% CI
Cheng, Ying 2016	53	126	12	65	16.8%	3.21 [1.56, 6.58]
Hosomi, Yukio 2020	111	170	53	172	40.6%	4.22 [2.69, 6.64]
Noronha, Vanita 2020	123	174	84	176	42.6%	2.64 [1.70, 4.10]
Total (95% CI)		**470**		**413**	**100.0%**	**3.30 [2.45, 4.46]**
Total events	287		149			

Heterogeneity: Tau² = 0.00; Chi² = 2.13, df = 2 (P = 0.34); I² = 6%
Test for overall effect: Z = 7.80 (P < 0.00001)

C

Study or Subgroup	log[Hazard Ratio]	SE	Weight	Hazard Ratio IV. Random. 95% CI
Nakagawa, Kazuhiko 2019	-0.53	0.13	52.9%	0.59 [0.46, 0.76]
Saito, Haruhiro 2019	-0.49	0.19	24.8%	0.61 [0.42, 0.89]
Seto, Takashi 2014	-0.62	0.2	22.3%	0.54 [0.36, 0.80]
Total (95% CI)			**100.0%**	**0.58 [0.48, 0.70]**

Heterogeneity: Tau² = 0.00; Chi² = 0.24, df = 2 (P = 0.89); I² = 0%
Test for overall effect: Z = 5.71 (P < 0.00001)

D

Study or Subgroup	Experimental Events	Total	Control Events	Total	Weight	Odds Ratio M-H, Random, 95% CI
Nakagawa, Kazuhiko 2019	159	221	121	225	37.0%	2.20 [1.49, 3.27]
Saito, Haruhiro 2019	98	112	53	112	33.3%	7.79 [3.98, 15.25]
Seto, Takashi 2014	68	75	41	77	29.7%	8.53 [3.48, 20.93]
Total (95% CI)		**408**		**414**	**100.0%**	**5.02 [1.87, 13.49]**
Total events	325		215			

Heterogeneity: Tau² = 0.65; Chi² = 14.59, df = 2 (P = 0.0007); I² = 86%
Test for overall effect: Z = 3.20 (P = 0.001)